		Name	Period
	ENERGY UNIT REVIEW (complete	d review sheet will be turned in	before starting test)
	tch the formulas and units by writing forn han you need to use and some units ma		provided: (There exits more
A.	W _{ork} = =	1. ½ mv²	a. joules (J)
B.	P.E. _{gravitation} ==	2. F∆s	b. volts
C.	K.E. ==	3. mg	c. seconds
D.	Q _{heat} ==	4. W _{ork} / T _{ime}	d. watts (W)
E.	P _{ressure} = =	5. v/t	e. Pascals (Pa)
F.	P _{ower} = =	6. s/t	f. calories/joules
G.	F _{orce} = =	7. mc ²	g. N's or kg m/s
Н.	F _{gravity} = W _{eight} = =	8. mv	h. square meter
I.	E _{nergy} = =	9. F/A _{rea}	i. m/s ²
J.	v = =	10. FΔs (again, l know)	j. newtons (N)
K.	a = =	11. ma	k. meter
L.	P.E. _{non-gravitational} = =	12. mgh	I. seconds
M.	Just a little p = =	13. cmt	j. m/s
fl.	Note the following picking up an object and dropping it diagram and indicate what kind of energy exists at each phase of the diagram (with the interesting phenomena that each can be set equal at these chosen spots)		
	One has to do what do get the object from position A to position B?		B (higher Than ground Zero)
	What type of energy does the object have at position B?		
	3. What type of energy does the object Have at position C?		
	What type of energy does the object convert to at position D?		- love growing
	5. What can one calculate at position of knows the work it took to get the objection B or the P.E. at position B? (note: an answer other than K.E. or Qui heat it could provide in the next instant of	ject to A antity of	Clius Tabove ground Deround

111.	Same as part if above only a new diagram (only bow & arrow or popper diagram)
°∀şi	1. One has to do what do get the object from position A to position B? 2. What type of energy does the object have at position B? 3. What type of energy does the object Have at position C? 4. What type of energy does the object convert to at position D? A Depressed Starfact Sta
IV.	Demonstrations: (* asterisks you favorite demonstrations)
	Name all the pressure demonstrations we did/stories told:
	1
	2 6
	3 7
	4
	Name all non-pressure demonstrations/videos/stories told:
	1 8
	2 9
	3
	4
	5
	6 13
	7.
V.	Labs/Purpose (* asterisks your favorite labs) Lab Title Purpose 1. 2. 3. 4. 5.
۷I.	Problems (******* Note: responsible for all homework sheet type problems ****)
	 You raise a 10.0 kg object to a height of 2.00 meters, then carry it 5.00 meters to a counter at a height of 1.50 meters and set the down on the counter. a. How total work did you do on the object when had set it on the counter?
	b. How much P.E. does the object have on the counter?
	c. If the object fell to the floor, how much K.E. would it have just before it hit the floor?
	d. How fast would the object be moving just before hitting the floor?
	e. How many joules of heat would the object and the floor receive after contact?
	2. If a 70 kg person, carrying a 30 kg backpack up a mountain, ate an energy bar that claimed on the wrapper that it would provide 120 calories, how many vertically feet should that energy bar get the climber up that mountain before her/his body starts using the climbers fat energy?

3. If it requires a force of 10 N through a distance of 2 cm to push a 5 g popper down. A. How high will the popper go?

B. At what speed will the popper hit the table?